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L4: Entry 1 of 1 File: USPT May 12, 1998

US-PAT-NO: 5750611
DOCUMENT-IDENTIFIER: US 5750611 A

TITLE: Thermoplastic composition having adsorption agent to reduce offensive odors and flavors

DATE-ISSUED: May 12, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Trouilhet; Yves | Geneva | | | CHX |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|---|---|---|---|---|---|
| E. I. du Pont de Nemours and Company | Wilmington | DE | | | 02 |

APPL-NO: 8/ 676237 [PALM]
DATE FILED: July 17, 1996

FOREIGN-APPL-PRIORITY-DATA:

| COUNTRY | APPL-NO | APPL-DATE |
|---|---|---|
| EP | 94200102 | January 19, 1994 |

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| APPL-NO | DATE-FILED | PUB-NO | PUB-DATE | 371-DATE | 102(E)-DATE |
|---|---|---|---|---|---|
| PCT/US95/00207 | January 17, 1995 | WO95/20624 | Aug 3, 1995 | Jul 17, 1996 | Jul 17, 1996 |

INT-CL: [6] C08 J 5/10, C08 K 3/34, C08 L 23/04

US-CL-ISSUED: 524/450; 523/102, 524/442, 524/444, 524/445, 524/447, 524/448
US-CL-CURRENT: 524/450; 523/102, 524/442, 524/444, 524/445, 524/447, 524/448

FIELD-OF-SEARCH: 523/102, 524/442, 524/444, 524/430, 524/492, 524/493, 524/494, 524/437, 524/445, 524/450, 524/447, 524/448

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL

| | PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|---|---|---|---|---|
| ☐ | 4095031 | June 1978 | Engle | 526/1 |
| ☐ | 4761437 | August 1988 | Christie | 523/102 |
| ☐ | 4795482 | January 1989 | Gioffre et al. | 55/75 |
| ☐ | 5013335 | May 1991 | Marcus | 55/70 |
| ☐ | 5211870 | May 1993 | Gilbert et al. | 252/120 |
| ☐ | 5254337 | October 1993 | Marcus et al. | 424/76.1 |

ART-UNIT: 151
PRIMARY-EXAMINER: Jagannathan; Vasu
ASSISTANT-EXAMINER: Rajguru; U. K.

ABSTRACT:

Odors and flavors in thermoplastic films and shaped articles may be reduced or eliminated by the addition of an adsorption agent to the thermoplastic. Thermoplastics include ethylene/acid copolymers and corresponding ionomers, and ethylene/acid/acrylate terpolymers and corresponding ionomers. The adsorption agent is a crystalline siliceous molecular sieve, having a framework of tetrahedral oxide units, in which at least 90% of the tetrahedral oxide units are SiO tetrahedra, a pore diameter greater than 5.5 Angstroms and a sorption capacity for water of less than 10% by weight at 25.degree. C. and 4.6 torr.

9 Claims, 0 Drawing figures